ELSEVIER

www.elsevier.nl/locate/jelechem

Journal of Electroanalytical Chemistry 477 (1999) 181

JOURNAL OF ELECTROANALYTICAL CHEMISTRY

Author Index of Volume 477

Abbessi, M., 146
Abdul-Redah, T., 62
Andreasen, G., 14
Argyropoulos, P., 97
Arvia, A.J., 14
Aurbach, D., 32

Bojarska, E., 89
Bonfranceschi, A., 1

Canny, J., 146
Chang, S.-C., 111
Chatzidimitriou-Dreismann, C.A., 62
Chen Tsai, Y., 25
Compton, R.G., 25, 71
Contant, R., 146
Coutouli-Argyropoulou, E., 130
Czochralska, B., 89

Del Campo, F.J., 71
Dubey, S., 121

Etcheberry, A., 140

Fabre, B., 121
Fan, L.-J., 111

Gamolsky, K., 32
Gonçalves, A.-M., 140
Gonzalez, E.R., 164
Gushikem, Y., 158

Heider, U., 32
Herlem, M., 140
Hinken, J.H., 171

Ito, S., 25

John, S.A., 52
Juzeliūnas, E., 171

Keita, B., 146
Kelaidopoulou, A., 130
Keunchkarian, S., 1
Kokkinidis, G., 130
Kuhn, A., 79

Levi, M.D., 32
Lu, Y.W., 146

Mano, N., 79
Marchand, G., 121
Marken, F., 71
Martins, M.E., 14, 41
Mathieu, C., 140
Mendez, E., 41

Nadjo, L., 146
Neudeck, A., 71

Oesten, R., 32
Ohsaka, T., 52
Ono, N., 25

Paganin, V.A., 164
Pérez Córdoba, A., 1
Pessôa, C.A., 158
Pilard, J.-F., 121

Richet, M., 146
Rodríguez Nieto, F.J., 14

Salvarezza, R.C., 14
Scott, K., 97
Sena, D.R., 164
Sideris, C., 130
Simonet, J., 121
Sperling, J., 62
Streffer, R.M.F., 62
Suárez, M.F., 25
Sundmacher, K., 97

Ticianelli, E.A., 164
Tributsch, H., 62
Tucceri, R., 1

Wang, C., 111

Yang, Y., 111

Zapata, S., 1
Zinola, C.F., 41

PII: S0022-0728(99)00435-0

ELSEVIER

www.elsevier.nl/locate/jelechem

Journal of Electroanalytical Chemistry 477 (1999) 183–185

JOURNAL OF ELECTROANALYTICAL CHEMISTRY

Subject Index of Volume 477

Adsorption
New effects in the electrochemistry of carbon dioxide on platinum by the application of potential perturbations, 41
n-Alkanethiols
Electrochemical and EQCM studies on the assembly of asymmetric viologen on bare and alkanethiol-coated Au electrodes, 52
Alloy
Corrosion sensing by SQUID magnetometry, 171
Antileukemic agents
Electrooxidation of the antileukemic 2-chloro-2′-deoxyadenosine and related compounds, 89
Asymmetric viologen
Electrochemical and EQCM studies on the assembly of asymmetric viologen on bare and alkanethiol-coated Au electrodes, 52
Atomic force microscopy
Electrochemical investigations and morphology of poly(4,9-dihydro-*o*-benzenonaphtho[2,3-c]pyrrole) and poly(acenaphtho[1,2-c]pyrrole), 25
Au single-crystal electrodes
Reaction of nitrobenzene on gold single-crystal electrodes: surface crystallographic orientation dependence, 111

Biosensors
Immobilized nitro-fluorenone derivatives as electrocatalysts for NADH oxidation, 79
Boltzmann statistics
Anomalous H/D isotopic effect in the kinetics of polarographic hydrogen evolution, 62

Carbon dioxide
New effects in the electrochemistry of carbon dioxide on platinum by the application of potential perturbations, 41
Catalysis
Electrochemical and catalytic behaviour of Dawson-type complexes derived from $[(1),2,3\text{-}P_2Mo_2W_{15}O_{61}]^{10-}$ and first transition metal ions, 146
Cavitation
Low-temperature sonoelectrochemical processes: Part 1. Mass transport and cavitation effects of 20 kHz ultrasound in liquid ammonia, 71
2-Chloro-2′-deoxyadenosine
Electrooxidation of the antileukemic 2-chloro-2′-deoxyadenosine and related compounds, 89
Cladribine
Electrooxidation of the antileukemic 2-chloro-2′-deoxyadenosine and related compounds, 89
Cleavage
Voltammetric investigation of new polythiophene derivatives possessing electrochemically cleavable arylsulfonamide groups as precursors for solid phase electrosynthesis, 121
Conducting polymer
Electrochemical investigations and morphology of poly(4,9-dihydro-*o*-benzenonaphtho[2,3-c]pyrrole) and poly(acenaphtho[1,2-c]pyrrole), 25
Corrosion
Corrosion sensing by SQUID magnetometry, 171
Cyclic voltammetry
Electrochemical investigations and morphology of poly(4,9-dihydro-*o*-benzenonaphtho[2,3-c]pyrrole) and poly(acenaphtho[1,2-c]pyrrole), 25
Reaction of nitrobenzene on gold single-crystal electrodes: surface crystallographic orientation dependence, 111
Voltammetric investigation of new polythiophene derivatives possessing electrochemically cleavable arylsulfonamide groups as precursors for solid phase electrosynthesis, 121
β-Cyclodextrin
Electrochemical studies of ferrocene derivatives and their complexation by β-cyclodextrin, 130

Dawson-type complexes
Electrochemical and catalytic behaviour of Dawson-type complexes derived from $[(1),2,3\text{-}P_2Mo_2W_{15}O_{61}]^{10-}$ and first transition metal ions, 146
Deuterium
Anomalous H/D isotopic effect in the kinetics of polarographic hydrogen evolution, 62
Diffusion coefficient
Determination of the Li ion chemical diffusion coefficient for the topotactic solid-state reactions occurring via a two-phase or single-phase solid solution pathway, 32
Using Pt microelectrodes in liquid ammonia for studying proton reduction, 140
Direct methanol fuel cell
A model for the liquid feed direct methanol fuel cell, 97

EIS
Determination of the Li ion chemical diffusion coefficient for the topotactic solid-state reactions occurring via a two-phase or single-phase solid solution pathway, 32
Electroactive species permeation
Transport across poly(*o*-aminophenol) modified electrodes in contact with media containing redox active couples. A study using rotating disc electrode voltammetry, 1
Electrocatalysis
Immobilized nitro-fluorenone derivatives as electrocatalysts for NADH oxidation, 79
Electrochemical oxidation mechanism
Electrooxidation of the antileukemic 2-chloro-2′-deoxyadenosine and related compounds, 89
Electrochemistry
Electrochemical and EQCM studies on the assembly of asymmetric viologen on bare and alkanethiol-coated Au electrodes, 52
Electrode topography influence
Voltammetric anodic stripping of silver from platinum electrodes consisting of an array of nm-sized voids, 14

PII: S0022-0728(99)00436-2

Electroreduction of dioxygen
Cobalt(II) metallated hematoporphyrin IX and protoporphyrin IX immobilized on niobium(V) oxide grafted on a silica gel surface: electrochemical studies, 158
EQCM
Electrochemical and EQCM studies on the assembly of asymmetric viologen on bare and alkanethiol-coated Au electrodes, 52
Ferrocenes
Electrochemical studies of ferrocene derivatives and their complexation by β-cyclodextrin, 130
Fluorenone
Immobilized nitro-fluorenone derivatives as electrocatalysts for NADH oxidation, 79
Fractionation factor
Anomalous H/D isotopic effect in the kinetics of polarographic hydrogen evolution, 62
FTIR
Electrochemical and EQCM studies on the assembly of asymmetric viologen on bare and alkanethiol-coated Au electrodes, 52

GITT
Determination of the Li ion chemical diffusion coefficient for the topotactic solid-state reactions occurring via a two-phase or single-phase solid solution pathway, 32

Hematoporphyrin IX
Cobalt(II) metallated hematoporphyrin IX and protoporphyrin IX immobilized on niobium(V) oxide grafted on a silica gel surface: electrochemical studies, 158
HPLC analysis
Electrooxidation of the antileukemic 2-chloro-2′-deoxyadenosine and related compounds, 89
Hydrogen evolution
Anomalous H/D isotopic effect in the kinetics of polarographic hydrogen evolution, 62
Hydrolysis
Electrochemical studies of ferrocene derivatives and their complexation by β-cyclodextrin, 130

Impedance spectroscopy
Electrochemical investigations and morphology of poly(4,9-dihydro-*o*-benzenonaphtho[2,3-c]pyrrole) and poly(acenaphtho[1,2-c]pyrrole), 25
Inclusion complexes
Electrochemical studies of ferrocene derivatives and their complexation by β-cyclodextrin, 130
Isotope effect
Anomalous H/D isotopic effect in the kinetics of polarographic hydrogen evolution, 62

$LiNiO_2$
Determination of the Li ion chemical diffusion coefficient for the topotactic solid-state reactions occurring via a two-phase or single-phase solid solution pathway, 32
Liquid ammonia
Low-temperature sonoelectrochemical processes: Part 1. Mass transport and cavitation effects of 20 kHz ultrasound in liquid ammonia, 71
Using Pt microelectrodes in liquid ammonia for studying proton reduction, 140
Lithium intercalation
Determination of the Li ion chemical diffusion coefficient for the topotactic solid-state reactions occurring via a two-phase or single-phase solid solution pathway, 32
Low temperature electrochemistry
Low-temperature sonoelectrochemical processes: Part 1. Mass transport and cavitation effects of 20 kHz ultrasound in liquid ammonia, 71

Mass transport
A model for the liquid feed direct methanol fuel cell, 97
Low-temperature sonoelectrochemical processes: Part 1. Mass transport and cavitation effects of 20 kHz ultrasound in liquid ammonia, 71
Membrane
Effect of water transport in a PEFC at low temperatures operating with dry hydrogen, 164
Methanol crossover
A model for the liquid feed direct methanol fuel cell, 97
Microelectrodes
Using Pt microelectrodes in liquid ammonia for studying proton reduction, 140
Model
A model for the liquid feed direct methanol fuel cell, 97
Modified electrodes
Immobilized nitro-fluorenone derivatives as electrocatalysts for NADH oxidation, 79

NADH oxidation
Immobilized nitro-fluorenone derivatives as electrocatalysts for NADH oxidation, 79
Niobium(V) oxide
Cobalt(II) metallated hematoporphyrin IX and protoporphyrin IX immobilized on niobium(V) oxide grafted on a silica gel surface: electrochemical studies, 158
Nitrobenzene
Low-temperature sonoelectrochemical processes: Part 1. Mass transport and cavitation effects of 20 kHz ultrasound in liquid ammonia, 71
Reaction of nitrobenzene on gold single-crystal electrodes: surface crystallographic orientation dependence, 111
Nitrosobenzene
Reaction of nitrobenzene on gold single-crystal electrodes: surface crystallographic orientation dependence, 111

Oriented surfaces
New effects in the electrochemistry of carbon dioxide on platinum by the application of potential perturbations, 41
Oxidation
Electrochemical and catalytic behaviour of Dawson-type complexes derived from $[(1),2,3\text{-}P_2Mo_2W_{15}O_{61}]^{10-}$ and first transition metal ions, 146

PITT
Determination of the Li ion chemical diffusion coefficient for the topotactic solid-state reactions occurring via a two-phase or single-phase solid solution pathway, 32
Platinum
New effects in the electrochemistry of carbon dioxide on platinum by the application of potential perturbations, 41
Polymer electrolyte fuel cell
Effect of water transport in a PEFC at low temperatures operating with dry hydrogen, 164
Poly(*o*-aminophenol)
Transport across poly(*o*-aminophenol) modified electrodes in contact with media containing redox active couples. A study using rotating disc electrode voltammetry, 1
Polythiophene
Voltammetric investigation of new polythiophene derivatives possessing electrochemically cleavable arylsulfonamide groups as precursors for solid phase electrosynthesis, 121

Potential perturbations
New effects in the electrochemistry of carbon dioxide on platinum by the application of potential perturbations, 41
Protons
Anomalous H/D isotopic effect in the kinetics of polarographic hydrogen evolution, 62
Protoporphyrin IX
Cobalt(II) metallated hematoporphyrin IX and protoporphyrin IX immobilized on niobium(V) oxide grafted on a silica gel surface: electrochemical studies, 158

Reactions at nm-sized voids
Voltammetric anodic stripping of silver from platinum electrodes consisting of an array of nm-sized voids, 14
Redox reaction
Transport across poly(*o*-aminophenol) modified electrodes in contact with media containing redox active couples. A study using rotating disc electrode voltammetry, 1
Rotating-disc electrode
Electrochemical studies of ferrocene derivatives and their complexation by β-cyclodextrin, 130
Rough platinum electrodes
Voltammetric anodic stripping of silver from platinum electrodes consisting of an array of nm-sized voids, 14

Silica gel
Cobalt(II) metallated hematoporphyrin IX and protoporphyrin IX immobilized on niobium(V) oxide grafted on a silica gel surface: electrochemical studies, 158
Silver anodic stripping
Voltammetric anodic stripping of silver from platinum electrodes consisting of an array of nm-sized voids, 14
Sonoelectrochemistry
Low-temperature sonoelectrochemical processes: Part 1. Mass transport and cavitation effects of 20 kHz ultrasound in liquid ammonia, 71
SQUID magnetometer
Corrosion sensing by SQUID magnetometry, 171
Stationary state
Using Pt microelectrodes in liquid ammonia for studying proton reduction, 140
Sulfonamide
Voltammetric investigation of new polythiophene derivatives possessing electrochemically cleavable arylsulfonamide groups as precursors for solid phase electrosynthesis, 121

Thermo-currents
Corrosion sensing by SQUID magnetometry, 171
Transmission line model
Electrochemical investigations and morphology of poly(4,9-dihydro-*o*-benzenonaphtho[2,3-c]pyrrole) and poly(acenaphtho-[1,2-c]pyrrole), 25
Transport equations
Effect of water transport in a PEFC at low temperatures operating with dry hydrogen, 164

Ultrasound
Low-temperature sonoelectrochemical processes: Part 1. Mass transport and cavitation effects of 20 kHz ultrasound in liquid ammonia, 71

Voltammetric analysis
Electrooxidation of the antileukemic 2-chloro-2′-deoxyadenosine and related compounds, 89
Voltammetry
Electrochemical studies of ferrocene derivatives and their complexation by β-cyclodextrin, 130
Low-temperature sonoelectrochemical processes: Part 1. Mass transport and cavitation effects of 20 kHz ultrasound in liquid ammonia, 71

Water management
Effect of water transport in a PEFC at low temperatures operating with dry hydrogen, 164

Xanthine oxidase
Electrooxidation of the antileukemic 2-chloro-2′-deoxyadenosine and related compounds, 89